



Reply under 37 CFR 1.116—Expediated
Procedure -Technology Center 1762

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Inventors: Sang-Wook Cheong
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Case No.: 5-1

Serial No.: 09/885,471

Group Art Unit: 1762

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Examiner: Eric B. Fuller

Title: MgB_2 SUPERCONDUCTORS

ASSISTANT COMMISSIONER OF PATENTS
WASHINGTON, D.C. 20231

Sir:

REPLY AND REQUEST FOR RECONSIDERATION
UNDER 37 C.F.R. §§ 1.113, 1.116, 1.121

This is a reply to the final Office Action mailed January 29, 2003.

AMENDMENT

IN THE CLAIMS

Rewrite Claim 8 as:

8. (first amended) A process for making a structure, comprising:
providing a solid body of MgB_2 ;
ejecting MgB_2 from the body by directing laser light onto the body; and
growing an MgB_2 layer on a surface of a substrate from a portion of the ejected
 MgB_2 .

Unchanged Claim 9:

9. The process of claim 8, wherein the substrate and MgB_2
have lattice constants along the surface that match to at least 10 percent.

Unchanged Claim 10:

10. The process of claim 8, further comprising forming the solid body by
sintering MgB_2 .

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